

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
 Data File : BF090212.D
 Acq On : 23 Sep 2016 21:55
 Operator : UM/SJ
 Sample : H4898-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CAM-SELECTFILL

Manual Integrations
 APPROVED

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Quant Time: Sep 24 00:04:51 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 23 23:35:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	132076	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	492764	20.00	ng	0.00
38) Acenaphthene-d10	9.52	164	224937	20.00	ng	0.00
63) Phenanthrene-d10	10.99	188	289091	20.00	ng	0.01
75) Chrysene-d12	13.60	240	245543	20.00	ng	0.00
86) Perylene-d12	14.93	264	172396	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	189568	23.40	ng	0.00
7) Phenol-d6	6.15	99	762214	76.17	ng	0.00
23) Nitrobenzene-d5	7.06	82	552205	64.96	ng	0.00
41) 2,4,6-Tribromophenol	10.31	330	1821	0.94	ng	0.00
44) 2-Fluorobiphenyl	8.86	172	922857	80.54	ng	0.00
78) Terphenyl-d14	12.57	244	652656	67.48	ng	0.00
Target Compounds						
10) Phenol	6.16	94	60769	5.14	ng	Qvalue 95
49) Dimethylphthalate	9.26	163	278106	19.41	ng	99
70) Phenanthrene	11.02	178	88856	6.57	ng	98
74) Fluoranthene	12.18	202	110700	7.63	ng	96
77) Pyrene	12.41	202	101580	6.05	ng	97
80) Benzo(a)anthracene	13.59	228	51729	3.92	ng	# 90
82) Chrysene	13.62	228	42263m	3.28	ng	
87) Benzo(b)fluoranthene	14.58	252	35843m	3.75	ng	
88) Benzo(k)fluoranthene	14.59	252	20166m	2.25	ng	
89) Benzo(a)pyrene	14.88	252	27498	3.06	ng	# 67
91) Benzo(g,h,i)perylene	16.43	276	16744	2.44	ng	# 87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

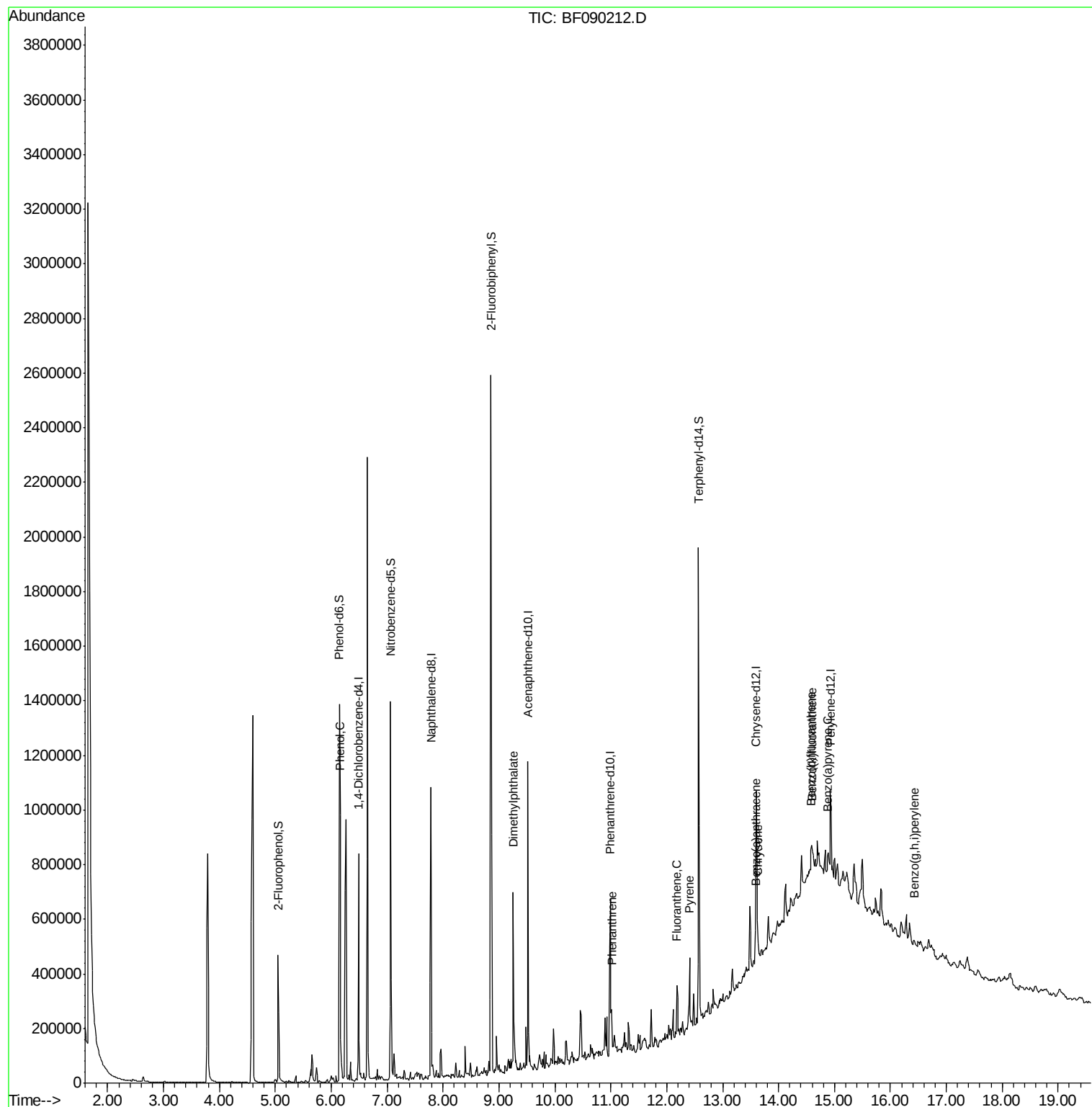
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
Data File : BF090212.D
Acq On : 23 Sep 2016 21:55
Operator : UM/SJ
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Manual Integrations
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Quant Time: Sep 24 00:04:51 2016
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#1

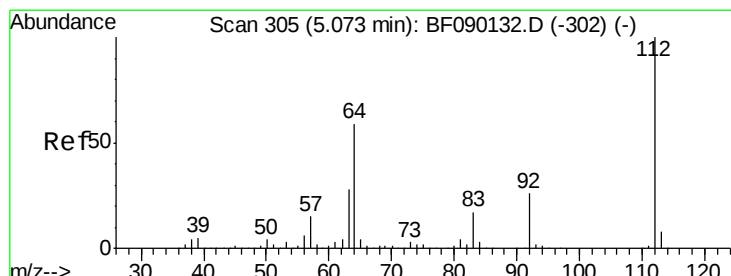
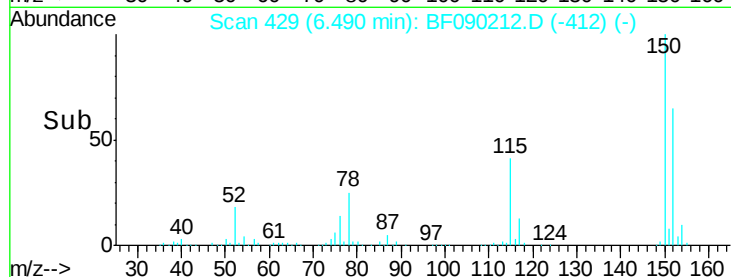
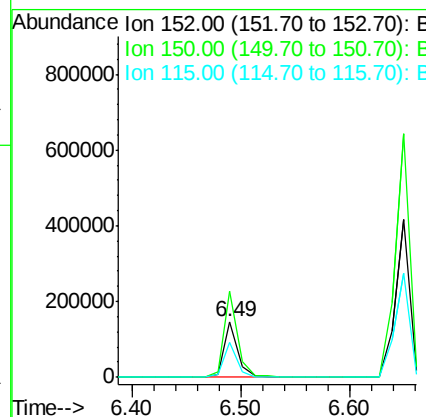
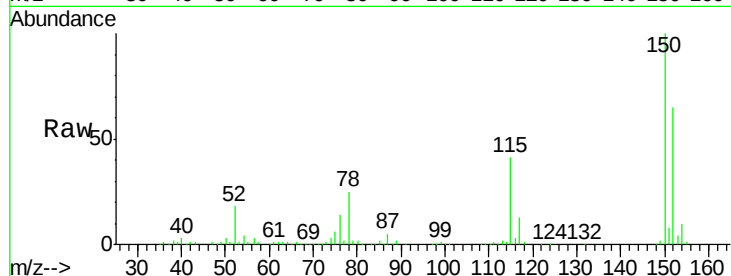
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 429
Delta R.T. -0.00 min
Lab File: BF090212.D
Acq: 23 Sep 2016 21:55

Instrument :
BNA_F
ClientSampleId :
CAM-SELECTFILL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	128.9	193.3
115	63.6	55.5	83.3

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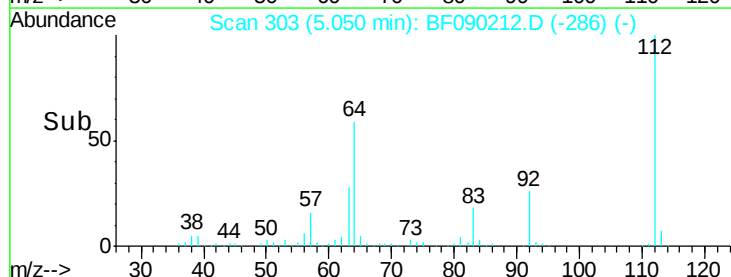
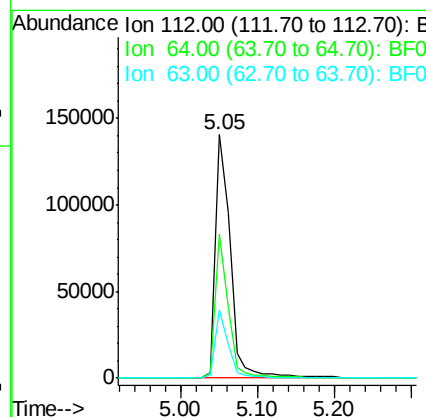
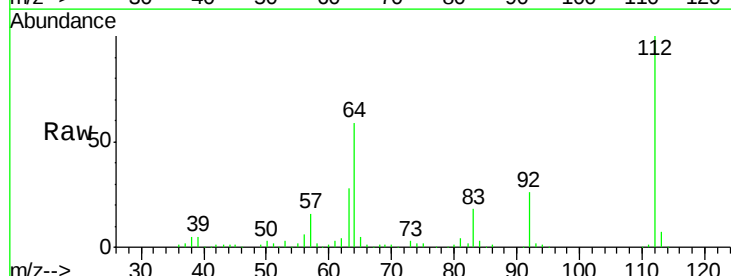
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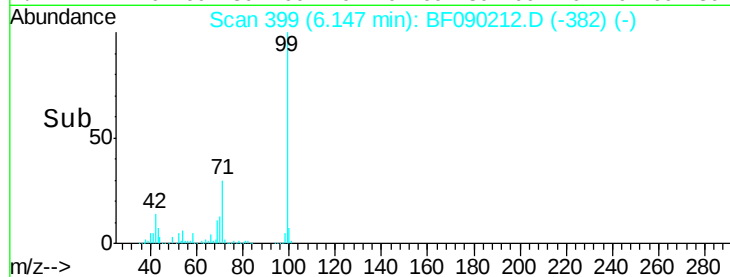
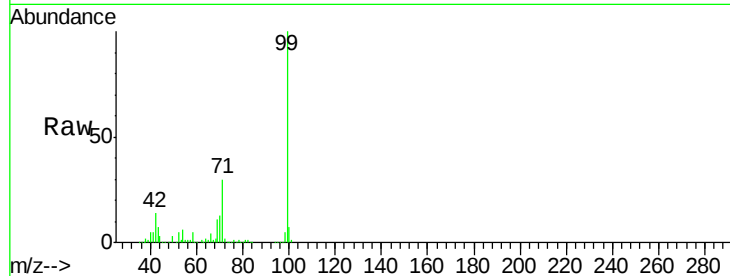
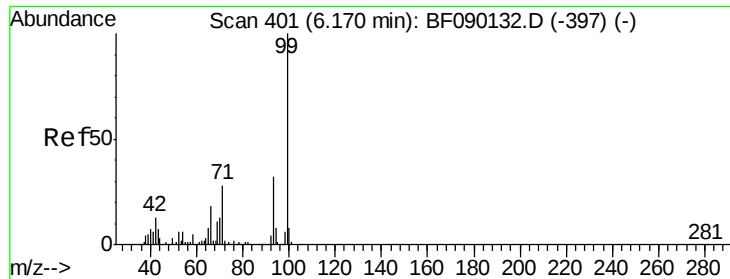


#5

2-Fluorophenol
Concen: 23.40 ng
RT: 5.05 min Scan# 303
Delta R.T. -0.00 min
Lab File: BF090212.D
Acq: 23 Sep 2016 21:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	39.8	59.6
63	28.0	18.9	28.3





#7

Phenol-d6

Concen: 76.17 ng

RT: 6.15 min Scan# 399

Delta R.T. -0.00 min

Lab File: BF090212.D

Acq: 23 Sep 2016 21:55

Tot Ion:	99	Resp:	762214
Ion Ratio	Lower	Upper	
99	100		
42	13.7	10.6	15.8
71	30.2	23.0	34.6

Instrument :

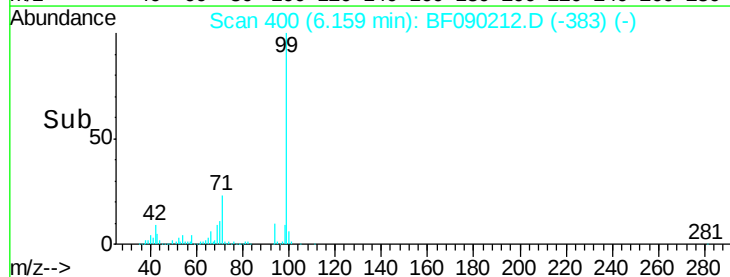
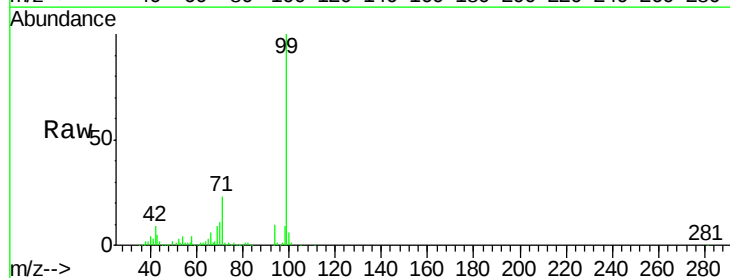
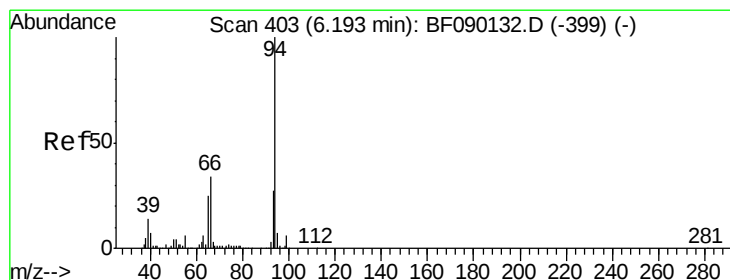
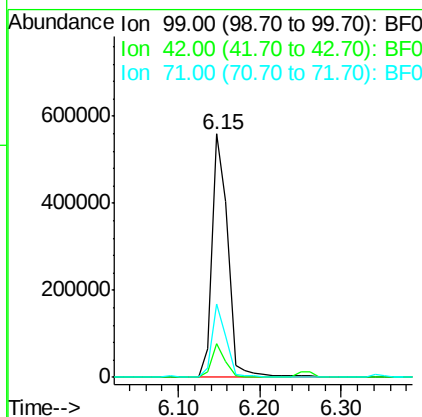
BNA_F

ClientSampleId :

CAM-SELECTFILL

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#10

Phenol

Concen: 5.14 ng

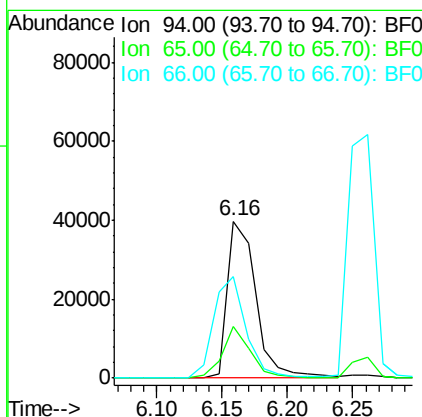
RT: 6.16 min Scan# 400

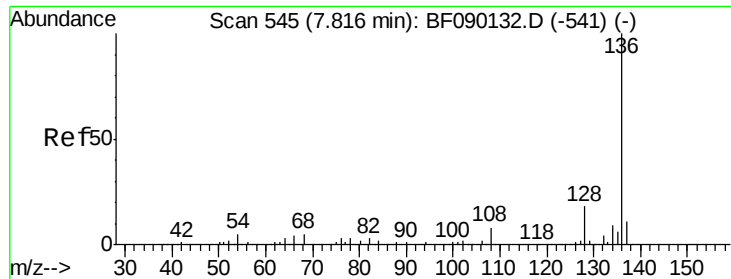
Delta R.T. -0.00 min

Lab File: BF090212.D

Acq: 23 Sep 2016 21:55

Tgt Ion:	94	Resp:	60769
Ion Ratio	Lower	Upper	
94	100		
65	33.3	20.6	60.6
66	65.1	45.1	85.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.78 min Scan# 542

Delta R.T. -0.00 min

Lab File: BF090212.D

Acq: 23 Sep 2016 21:55

Instrument :

BNA_F

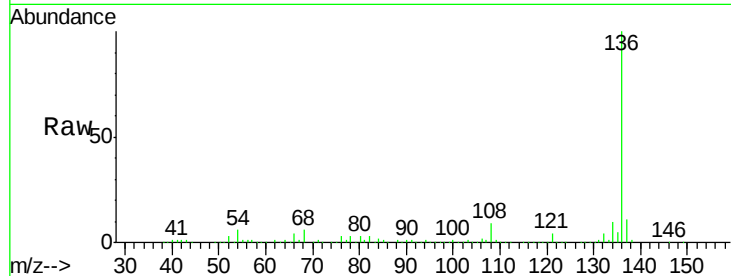
ClientSampleId :

CAM-SELECTFILL

Tot Ion	Ratio	Resp	Lower	Upper
136	100	492764		
137	11.0	9.0	13.4	
54	5.7	6.4	9.6	
68	5.7	6.3	9.5	

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Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

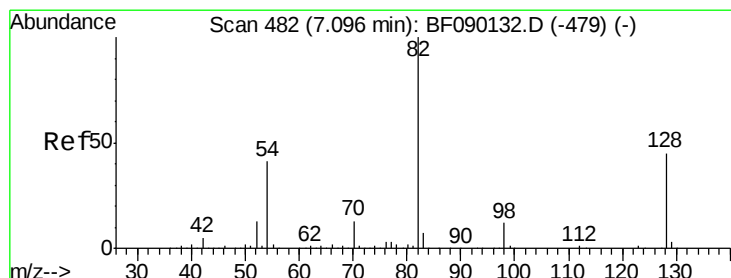
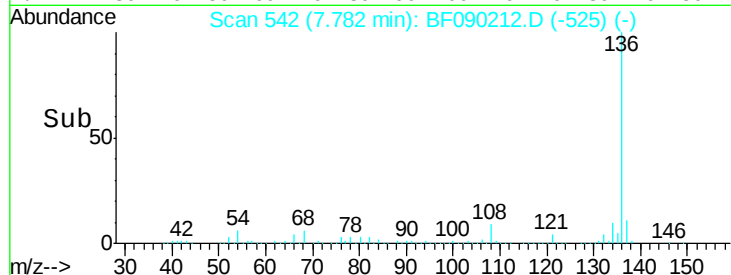
7.78

400000

200000

0

Time-->



#23

Nitrobenzene-d5

Concen: 64.96 ng

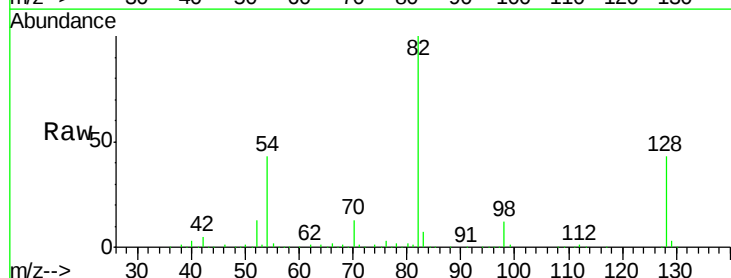
RT: 7.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BF090212.D

Acq: 23 Sep 2016 21:55

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	552205		
128	42.7	37.5	56.3	
54	42.6	31.9	47.9	



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

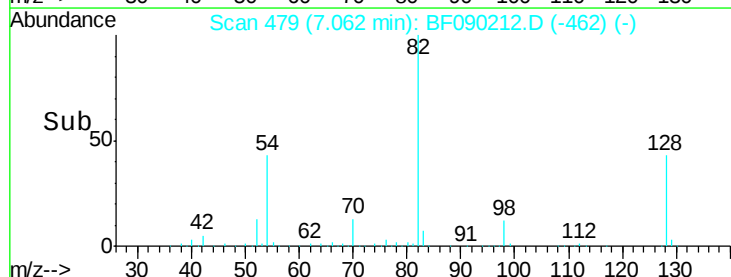
7.06

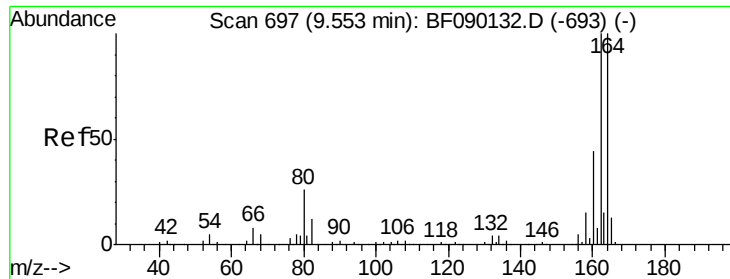
400000

200000

0

Time-->





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.52 min Scan# 694

Delta R.T. -0.00 min

Lab File: BF090212.D

Acq: 23 Sep 2016 21:55

Instrument :

BNA_F

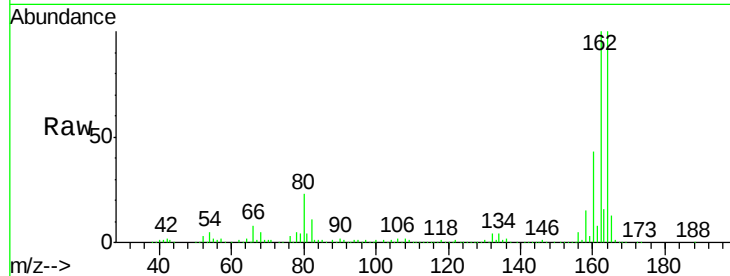
ClientSampleId :

CAM-SELECTFILL

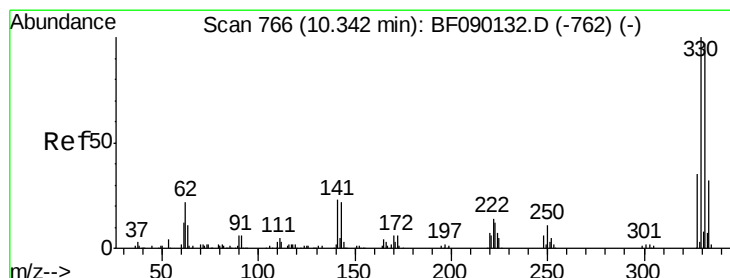
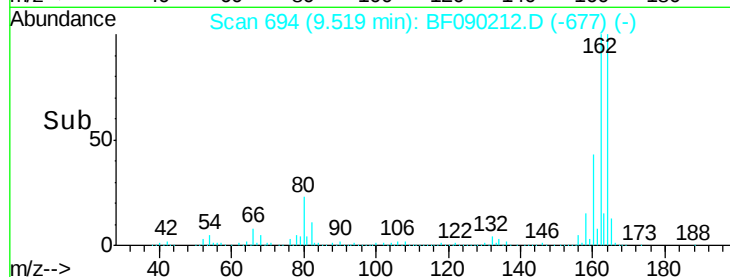
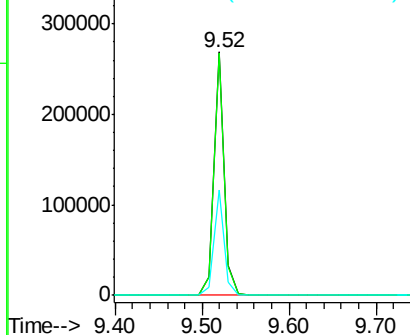
Tot Ion:	164	Resp:	224937
Ion Ratio	Lower	Upper	
164	100		
162	99.7	81.4	122.2
160	43.1	36.6	54.8

Manual Integrations
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 0.94 ng

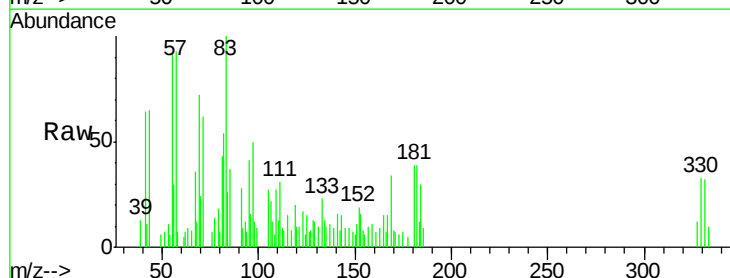
RT: 10.31 min Scan# 763

Delta R.T. -0.00 min

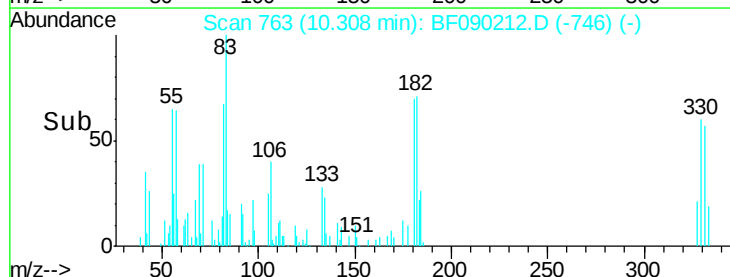
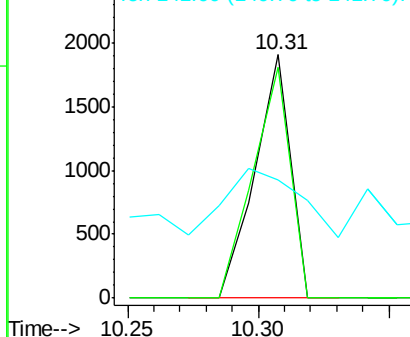
Lab File: BF090212.D

Acq: 23 Sep 2016 21:55

Tgt Ion:	330	Resp:	1821
Ion Ratio	Lower	Upper	
330	100		
332	99.9	78.1	117.1
141	58.9	23.9	35.9#



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





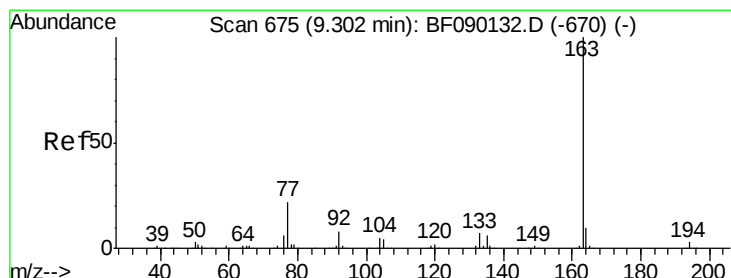
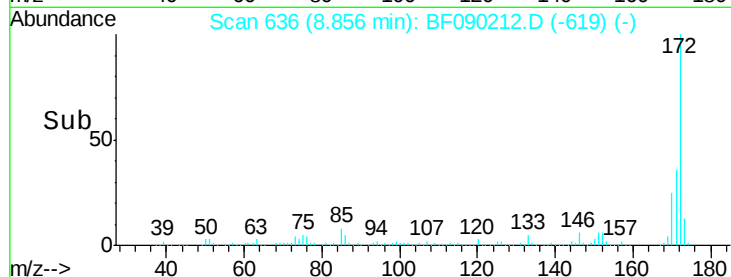
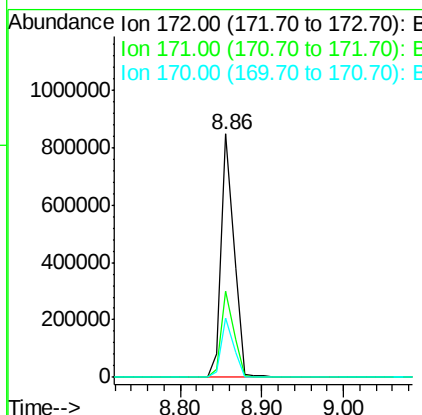
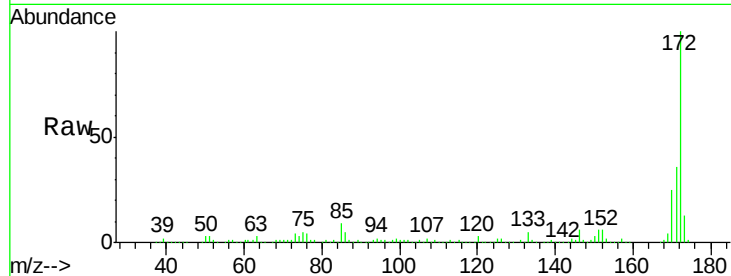
#44
2-Fluorobiphenyl
Concen: 80.54 ng
RT: 8.86 min Scan# 636
Delta R.T. -0.00 min
Lab File: BF090212.D
Acq: 23 Sep 2016 21:55

Instrument :
BNA_F
ClientSampleId :
CAM-SELECTFILL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.2	43.8
170	24.5	19.8	29.8

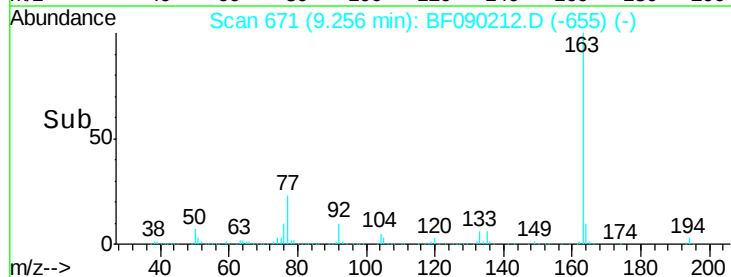
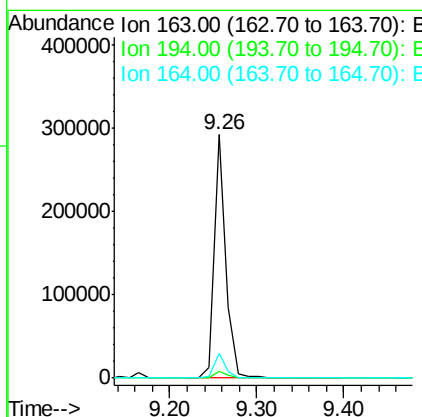
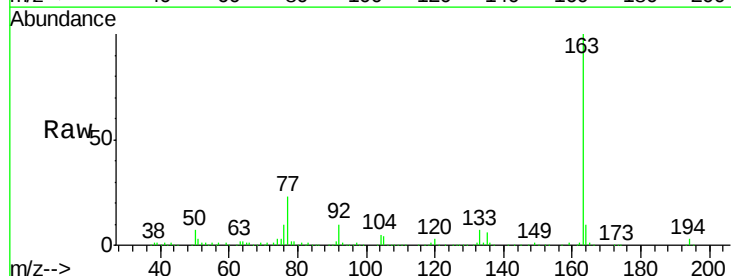
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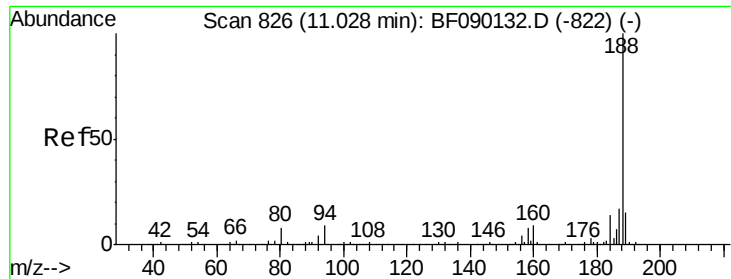
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#49
Dimethylphthalate
Concen: 19.41 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF090212.D
Acq: 23 Sep 2016 21:55

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.8	2.8	4.2
164	10.2	8.1	12.1





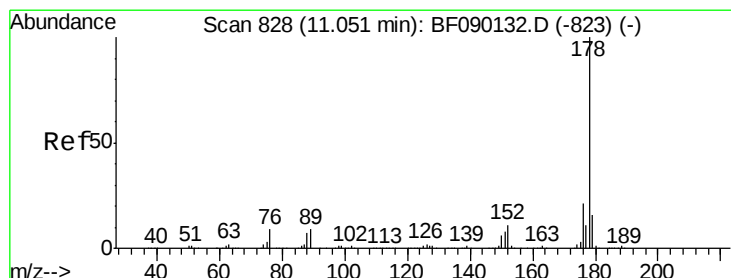
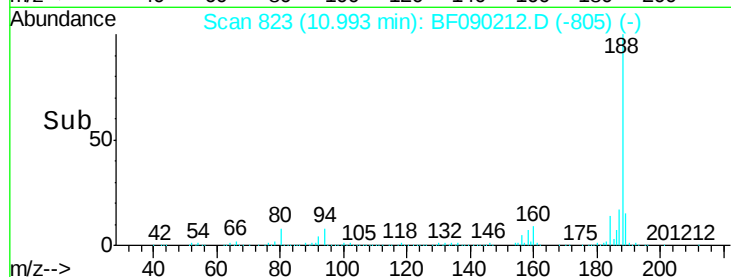
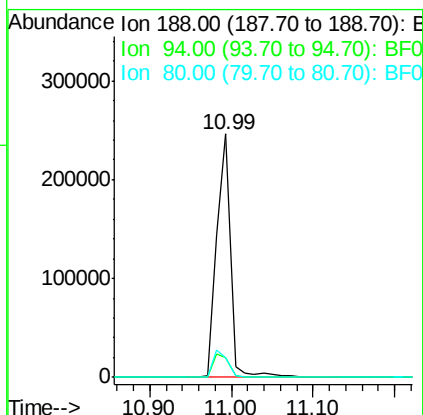
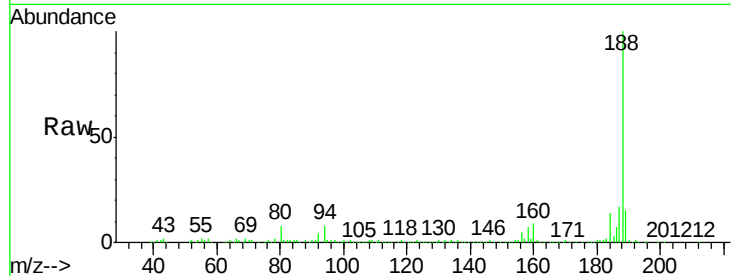
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 823
Delta R.T. 0.01 min
Lab File: BF090212.D
Acq: 23 Sep 2016 21:55

Instrument :
BNA_F
ClientSampleId :
CAM-SELECTFILL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	289091		
94	8.0		10.5	15.7#
80	8.2		11.2	16.8#

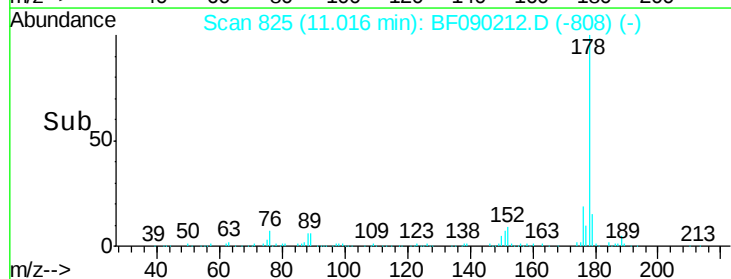
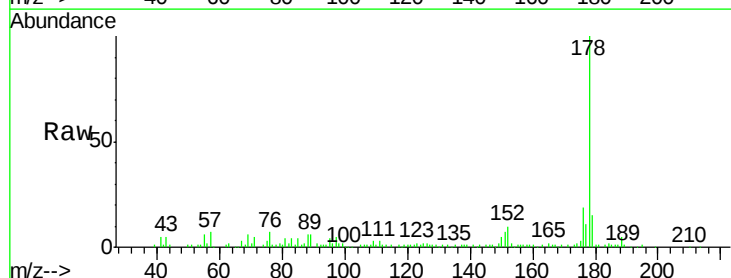
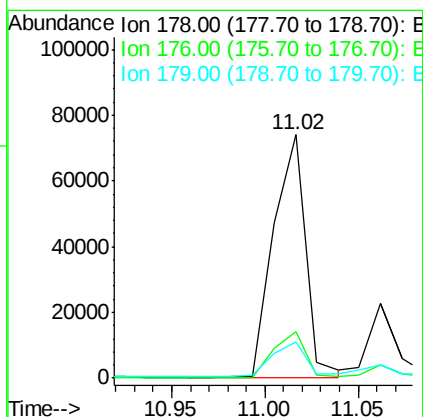
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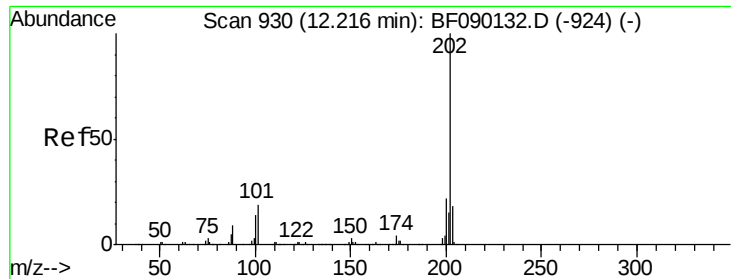
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#70
Phenanthrene
Concen: 6.57 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.00 min
Lab File: BF090212.D
Acq: 23 Sep 2016 21:55

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	88856		
176	19.1		15.9	23.9
179	15.1		12.9	19.3





#74

Fluoranthene

Concen: 7.63 ng

RT: 12.18 min Scan# 927

Delta R.T. -0.00 min

Lab File: BF090212.D

Acq: 23 Sep 2016 21:55

Instrument :

BNA_F

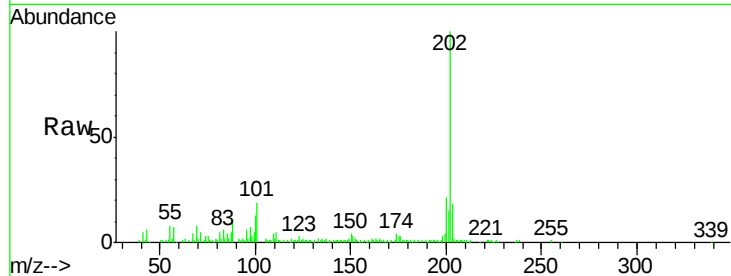
ClientSampleId :

CAM-SELECTFILL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	110700		
101	18.9	0.0	36.1	
203	17.7	0.0	38.2	

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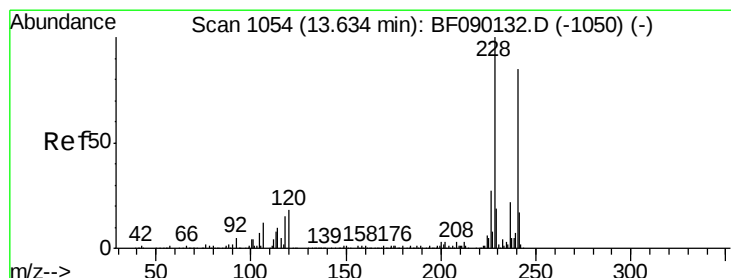
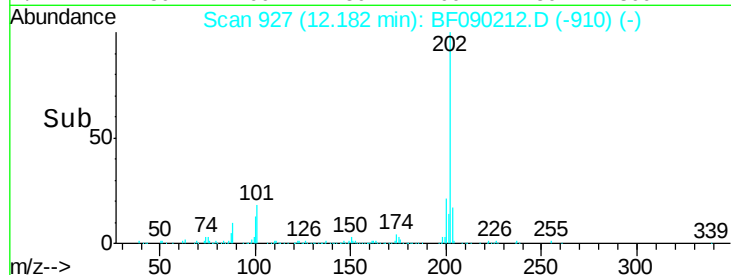
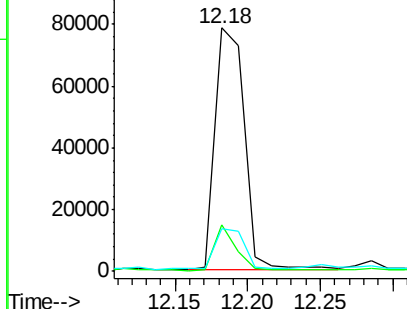
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

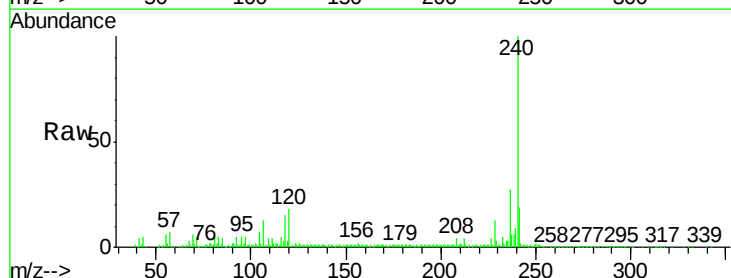
RT: 13.60 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BF090212.D

Acq: 23 Sep 2016 21:55

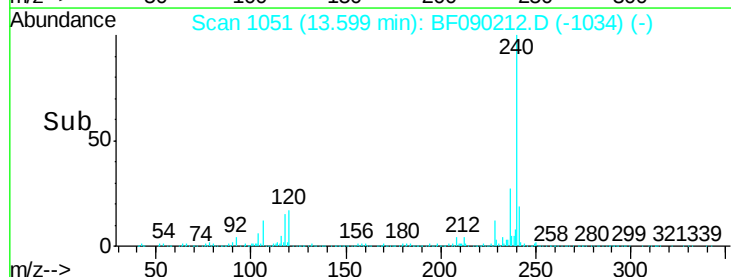
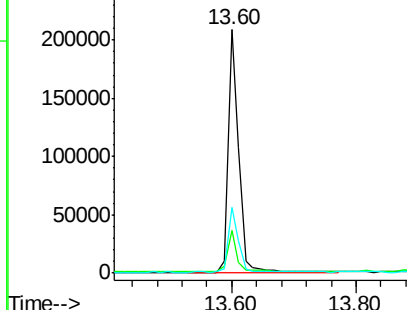
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	245543		
120	17.6	10.6	16.0#	
236	27.0	21.6	32.4	

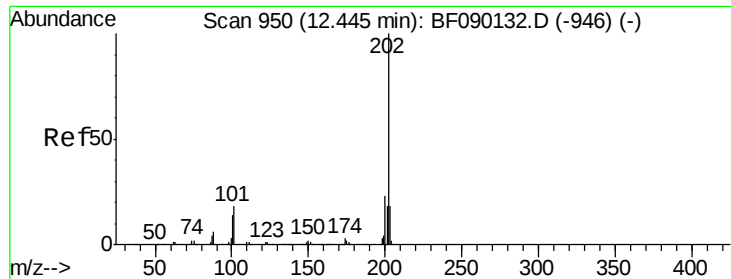


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.05 ng

RT: 12.41 min Scan# 947

Delta R.T. -0.00 min

Lab File: BF090212.D

Acq: 23 Sep 2016 21:55

Instrument :

BNA_F

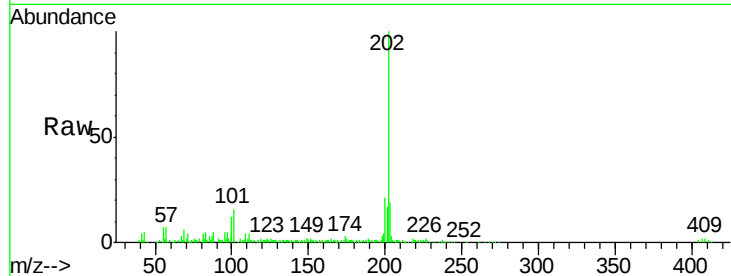
ClientSampleId :

CAM-SELECTFILL

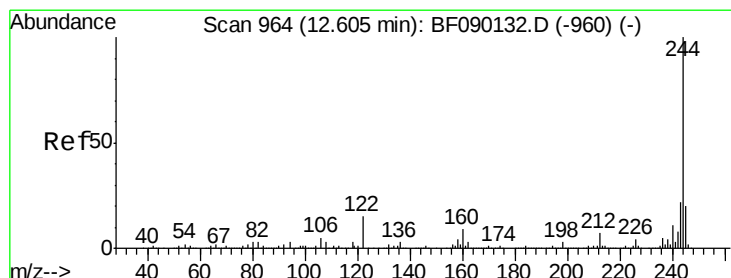
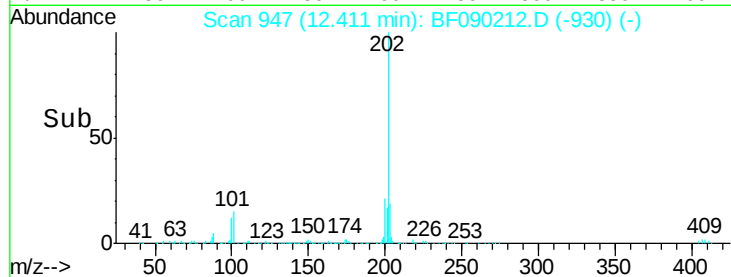
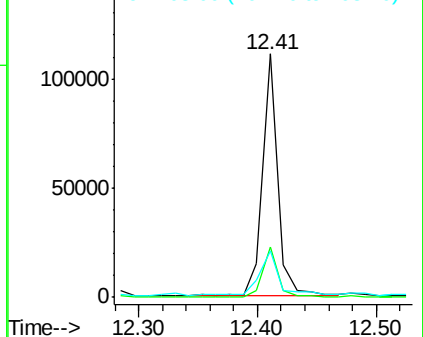
Tot Ion:	202	Resp:	101580
Ion Ratio		Lower	Upper
202	100		
200	20.9	17.9	26.9
203	19.3	14.2	21.4

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 67.48 ng

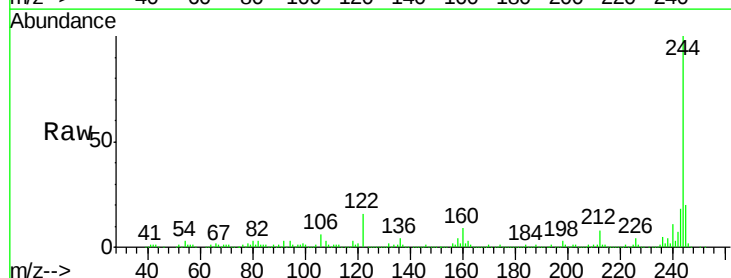
RT: 12.57 min Scan# 961

Delta R.T. -0.00 min

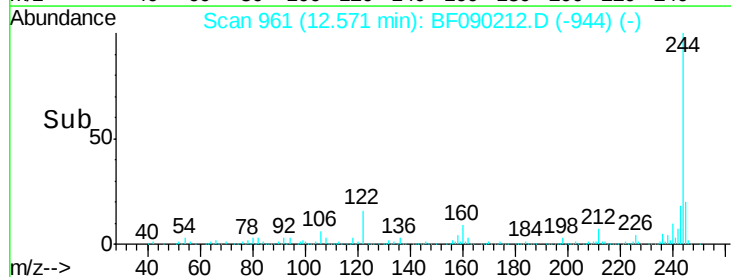
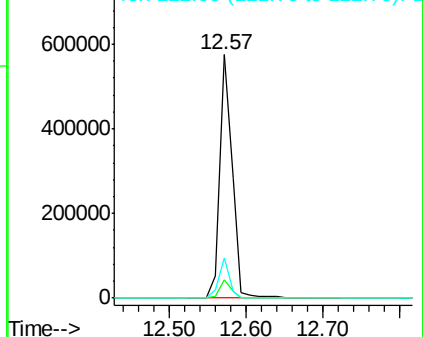
Lab File: BF090212.D

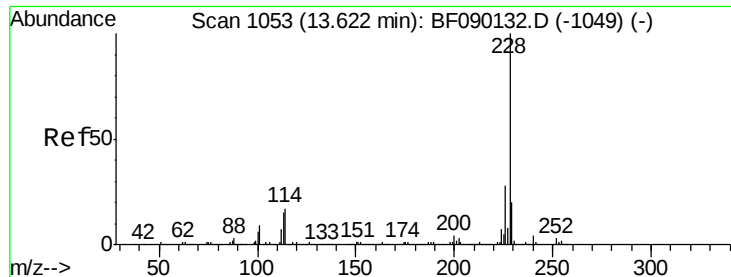
Acq: 23 Sep 2016 21:55

Tgt Ion:	244	Resp:	652656
Ion Ratio		Lower	Upper
244	100		
212	7.5	5.8	8.8
122	16.4	9.4	14.0#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





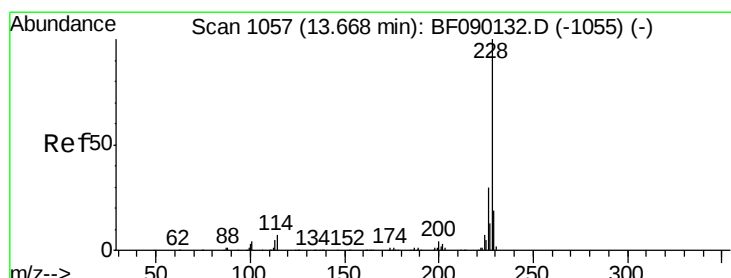
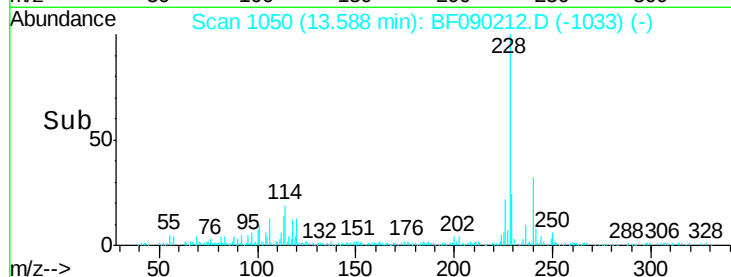
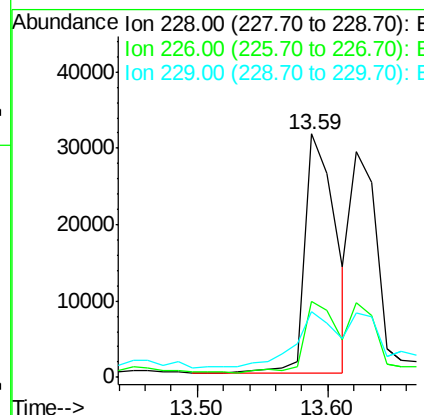
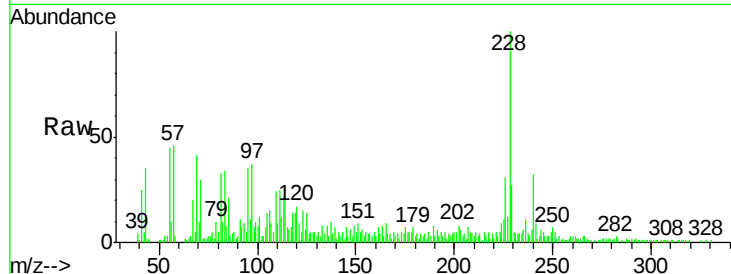
#80
Benzo(a)anthracene
Concen: 3.92 ng
RT: 13.59 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BF090212.D
Acq: 23 Sep 2016 21:55

Instrument :
BNA_F
ClientSampleId :
CAM-SELECTFILL

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.0	33.0
229	26.9	16.2	24.2

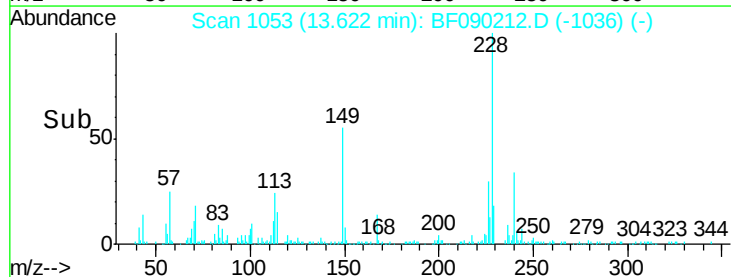
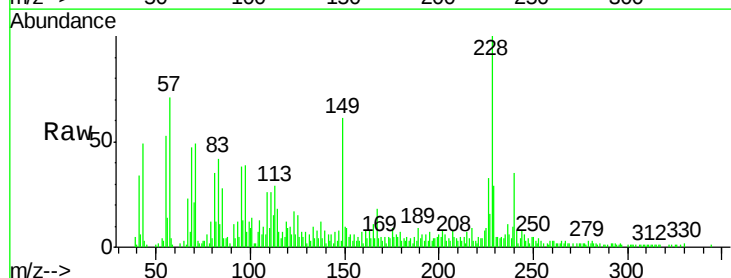
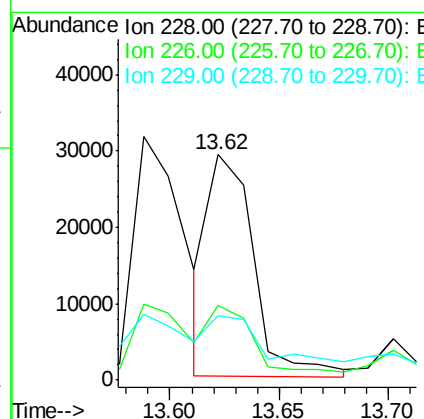
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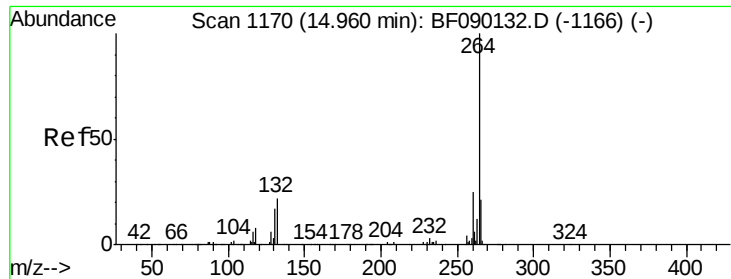
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#82
Chrysene
Concen: 3.28 ng m
RT: 13.62 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BF090212.D
Acq: 23 Sep 2016 21:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.2	24.6	37.0
229	28.8	16.2	24.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 14.93 min Scan# 1167

Delta R.T. 0.01 min

Lab File: BF090212.D

Acq: 23 Sep 2016 21:55

Instrument :

BNA_F

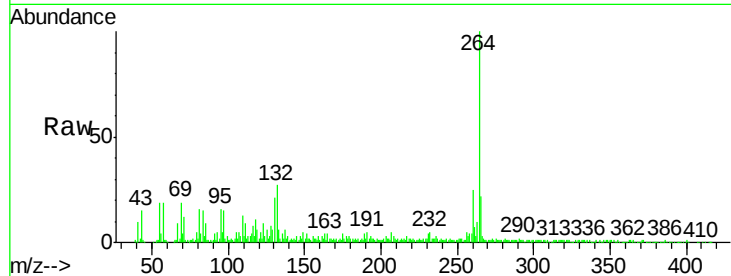
ClientSampleId :

CAM-SELECTFILL

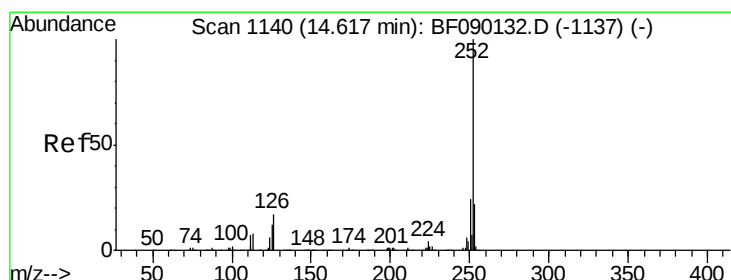
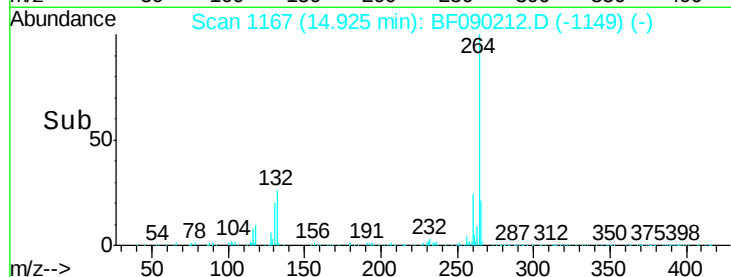
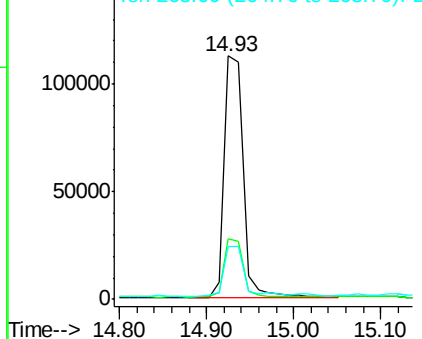
Tot Ion:	264	Resp:	172396
Ion Ratio		Lower	Upper
264	100		
260	24.9	19.5	29.3
265	21.8	17.0	25.4

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 3.75 ng m

RT: 14.58 min Scan# 1137

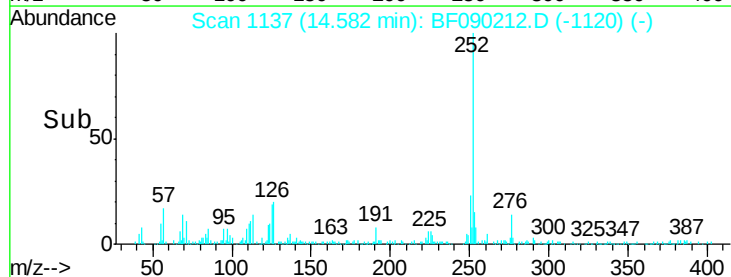
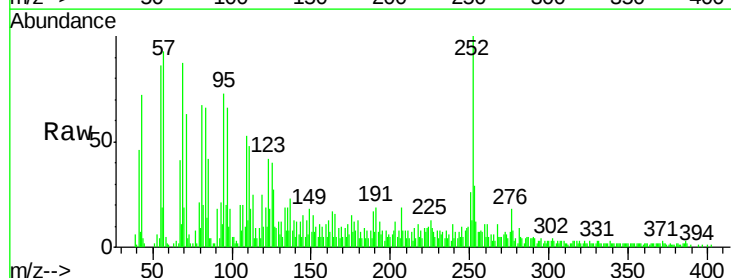
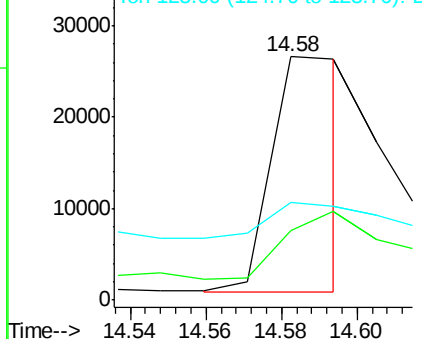
Delta R.T. -0.00 min

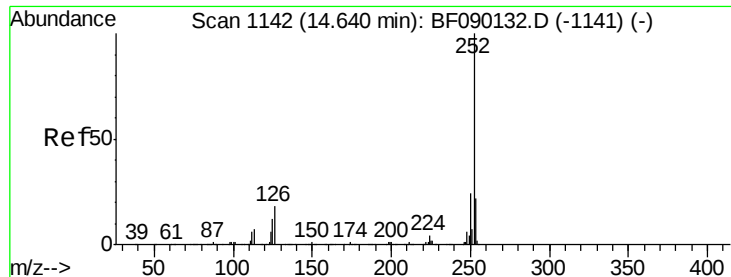
Lab File: BF090212.D

Acq: 23 Sep 2016 21:55

Tgt Ion:	252	Resp:	35843
Ion Ratio		Lower	Upper
252	100		
253	28.5	17.9	26.9#
125	40.3	12.7	19.1#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





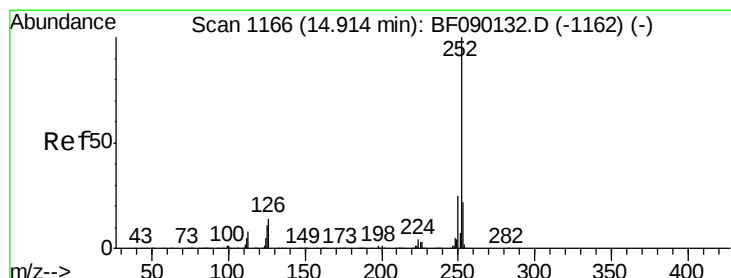
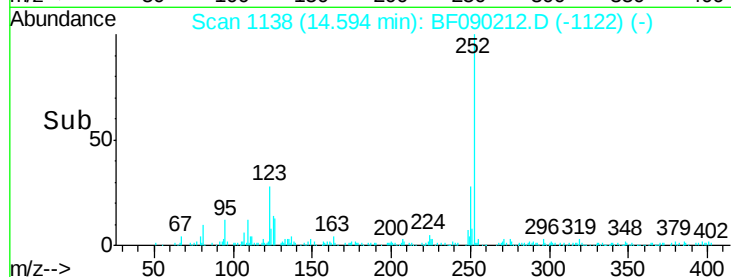
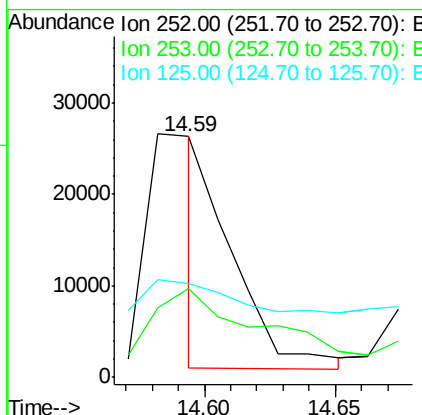
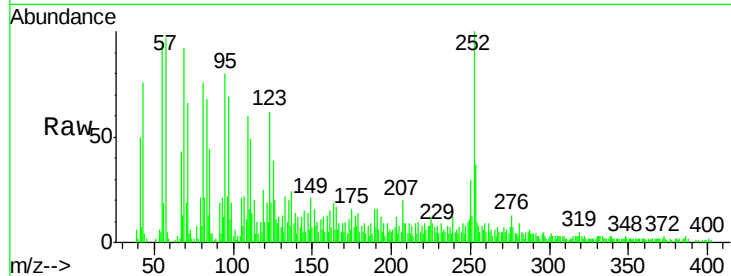
#88
Benzo(k)fluoranthene
Concen: 2.25 ng m
RT: 14.59 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF090212.D
Acq: 23 Sep 2016 21:55

Instrument :
BNA_F
ClientSampleId :
CAM-SELECTFILL

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.0	17.8	26.8#
125	38.7	7.8	11.6#

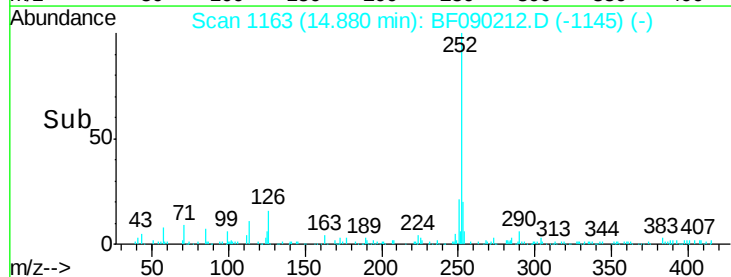
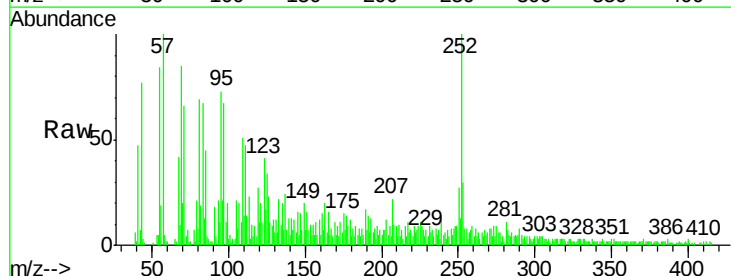
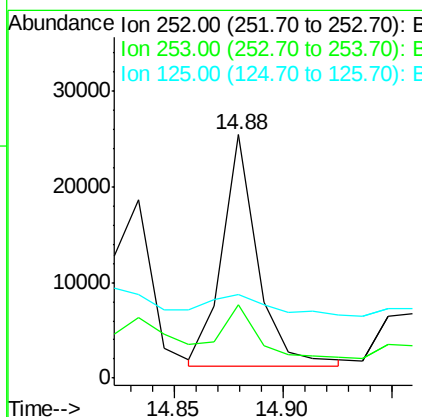
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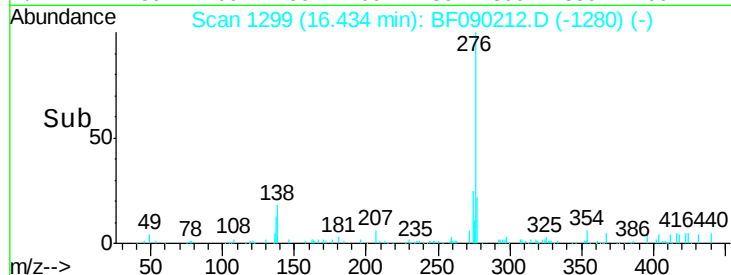
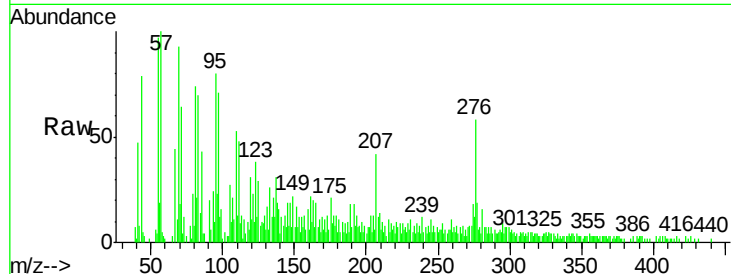
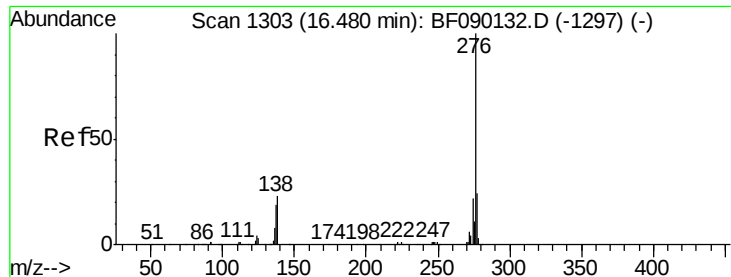
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#89
Benzo(a)pyrene
Concen: 3.06 ng
RT: 14.88 min Scan# 1163
Delta R.T. 0.01 min
Lab File: BF090212.D
Acq: 23 Sep 2016 21:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.0	17.4	26.0#
125	34.5	7.7	11.5#





#91
 Benzo(a,h,i)perylene
 Concen: 2.44 ng
 RT: 16.43 min Scan# 1299
 Delta R.T. 0.02 min
 Lab File: BF090212.D
 Acq: 23 Sep 2016 21:55

Instrument :
 BNA_F
 ClientSampleId :
 CAM-SELECTFILL

Tot Ion	Ratio	Lower	Upper
276	100		
277	33.6	18.9	28.3
138	33.3	23.3	34.9

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